






LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
○ 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
— — — — —	FEDERAL CHANNEL
— — — — —	HARBOR LINE
— — — — —	SUBMARINE CABLE
	CAN BUOY
	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
OC	OCCULTING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
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POINT	NORTHING	EASTING
415	1049631.6	1064567.3
417	1048769.0	1065421.5
1610	1048433.1	1065638.7
1611	1048787.0	1066207.8
454	1048617.7	1067682.7
456	1048461.7	1067930.1
458	1048147.0	1068162.5
451C	1047471.9	1068738.8
460	1047315.4	1068624.1
462	1047569.7	1068968.7
459	1048413.0	1068786.7
458	1048618.8	1068958.2
455	1048877.0	1068058.2
453	1048930.8	1066959.2
452	1048969.9	1066977.6
428	1049377.1	1065561.8
426A	1049629.0	1064687.2
426	1049656.7	1064591.1
415A	1049560.6	1064637.7

SHEET INDEX
"NOT TO SCALE"



Original sheet size = ANSI D

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Drawn by:	KPL
Checked by:	ACK
Reviewed by:	
Roman H. Figler III PLS	
Chief, Survey Section	
Approved by:	
Edward F. Gawarecki	
Chief, NY/PA Navigation and	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

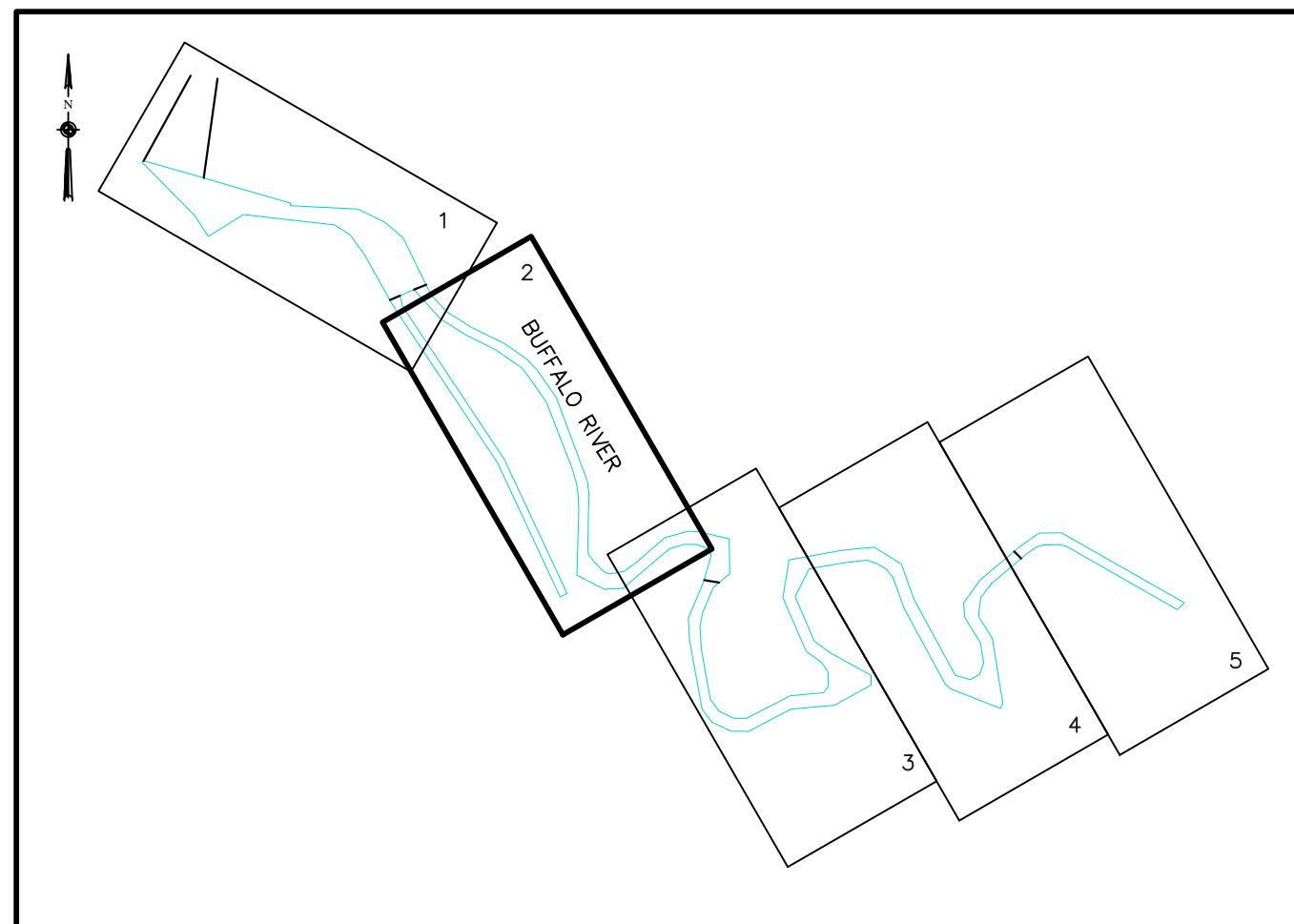
BUFFALO RIVER, NY






PROJECT CONDITIONS SOUNDINGS 2015

SCALE: 1"=200'

Sheet
reference
number
MH-101

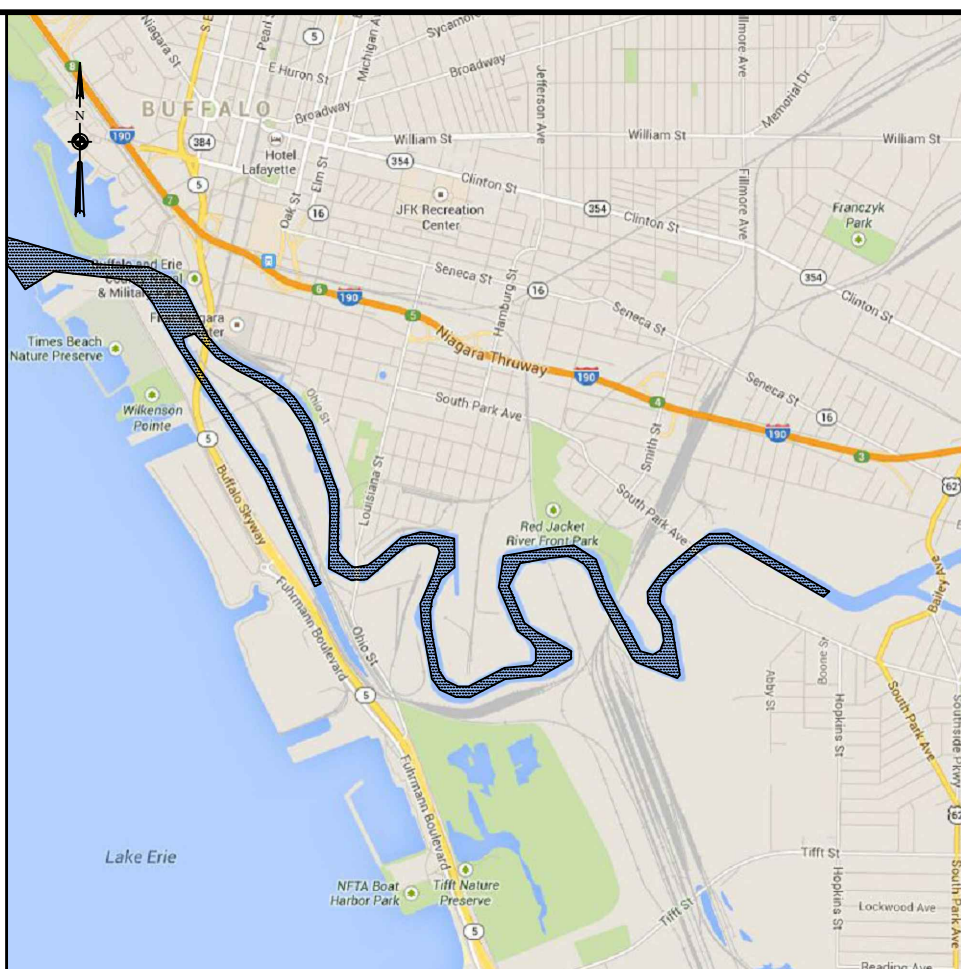
Sheet 1 of 4



LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
○ 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
— — — — —	FEDERAL CHANNEL
— — — — —	HARBOR LINE
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F	FIXED LIGHT
Oc	OCCULTING LIGHT
ISO	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

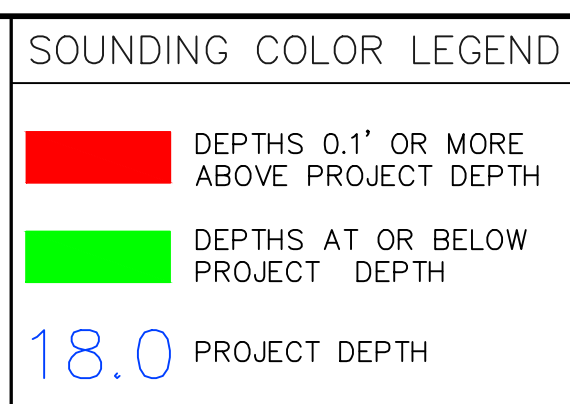
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

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CHANNEL CORNERS		COORDINATES
POINT	NORTHING	EASTING
5500C	1044767.1	1070320.8
464	1047098.7	1069396.3
466	1048837.4	1069811.6
468	1046600.3	1070286.4
470	1045335.2	1070513.9
472	1046120.5	1070855.3
474	1045749.9	1071110.5
480	1044681.1	1071523.7
482	1044425.8	1071597.1
484	1044247.3	1071623.7
486	1043997.4	1071632.2
488	1042952.1	1071602.1
490	1043218.2	1071905.0
500	1043027.7	1073331.8
502	1043446.9	1073339.0
507	1043555.6	1073027.1
505	1043162.8	1072572.9
503SA	1043015.7	1072370.9
501A	1042976.9	1072158.2
499A	1042973.7	1072106.1
495	1043014.3	1072030.7
493	1043056.8	1071978.8
491	1043289.1	1071787.9
489	1043462.4	1071783.5
487	1044004.9	1071793.1
485	1044255.3	1071799.6
483	1044477.9	1071772.1
473	1045819.3	1071271.4
471	1046275.0	1070957.7
469	1046456.8	1070800.7
467	1046968.6	1070981.9
465	1046964.3	1070981.9
463	1047214.7	1069493.5
555C	1044282.4	1070430.3





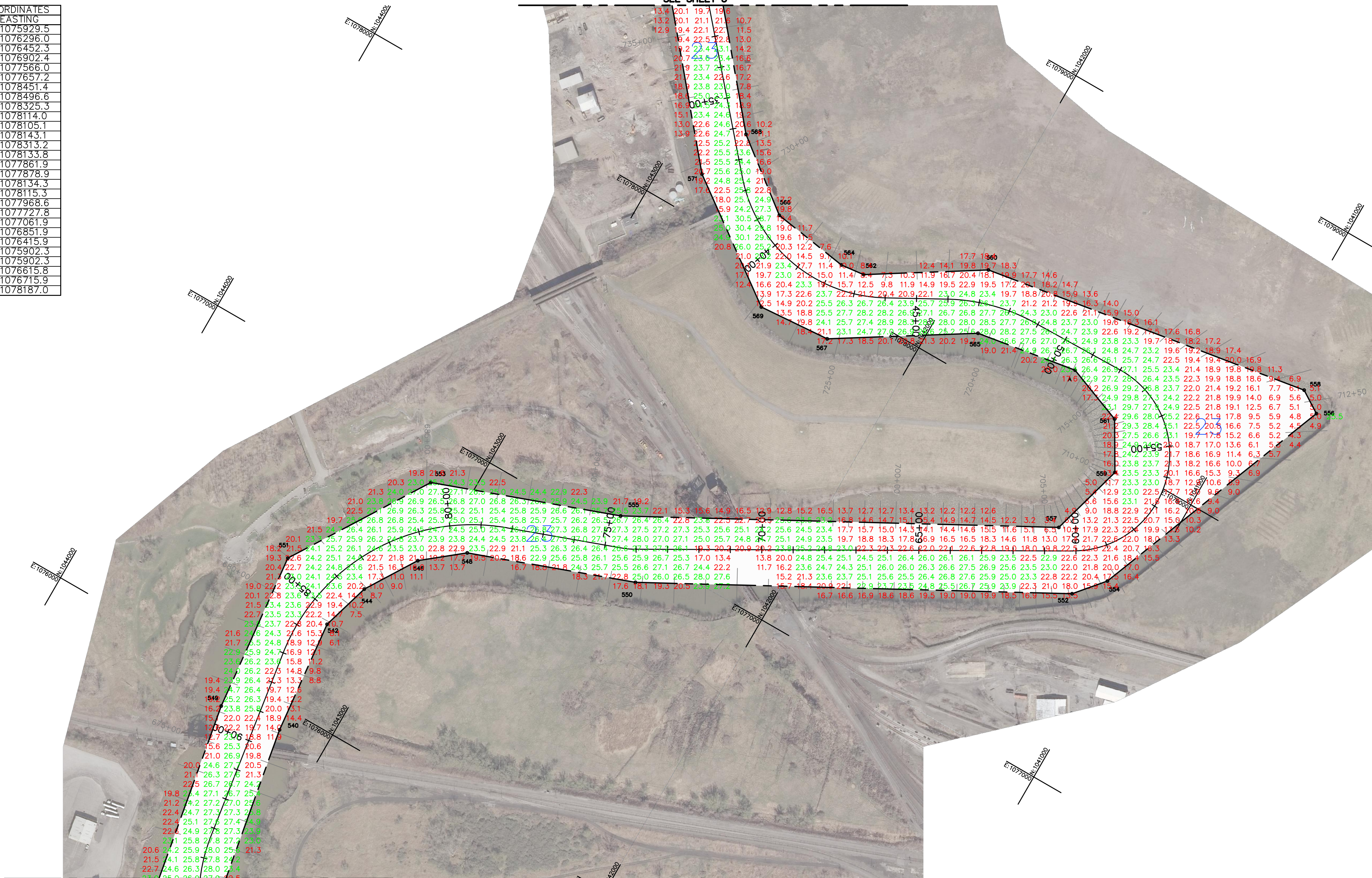
LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CANAL STATIONING
o 417	CANAL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
— — — — —	FEDERAL CANAL
— — — — —	HARBOR LINE
— — — — —	SUBMARINE CABLE
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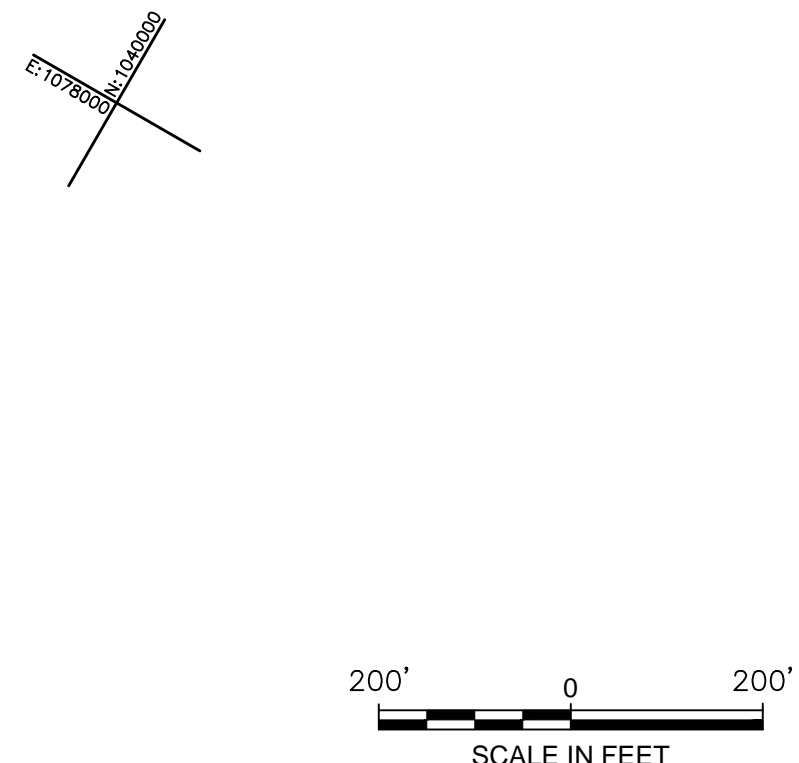


CHANNEL CORNERS COORDINATES		
POINT	NORTHING	EASTING
540	1043154.2	1075929.5
542	1043191.0	1076296.0
544	1043144.6	1076452.3
550	1042407.8	1076902.4
552	1042409.9	1076901.0
554	1041108.7	1077657.2
556	1040799.1	1078451.4
558	1040870.2	1078496.6
560	1041931.8	1078325.3
562	1042268.3	1078114.0
564	1042385.0	1078105.1
566	1042385.0	1078105.1
568	1042315.8	1078313.2
571	1042854.2	1078133.8
569	1042499.8	1077861.9
567	1042266.7	1077878.9
565	1041859.8	1078134.3
561	1041346.6	1078135.3
559	1041208.8	1078135.3
557	1041328.0	107727.8
555	1042554.2	1077061.9
553	1043130.7	1076851.9
551	1043404.5	1076415.9
549	1043352.9	1075902.3
547	1043352.9	1075902.3
545	1043352.9	1075902.3
543	1042918.3	1076715.9
A	1041533.5	1078187.0

SHEET INDEX
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SEE SHEET 3



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Reviewed by:

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CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207-3199

BUFFALO RIVER, NY

PROJECT CONDITIONS SOUNDINGS 2015

SCALE: 1"=200'

Sheet
reference
number

VH-104
Sheet 4 of 4

Edward F. Gawarecki Date: December 8,
Chief, NY/PA Navigation and Maintenance Section
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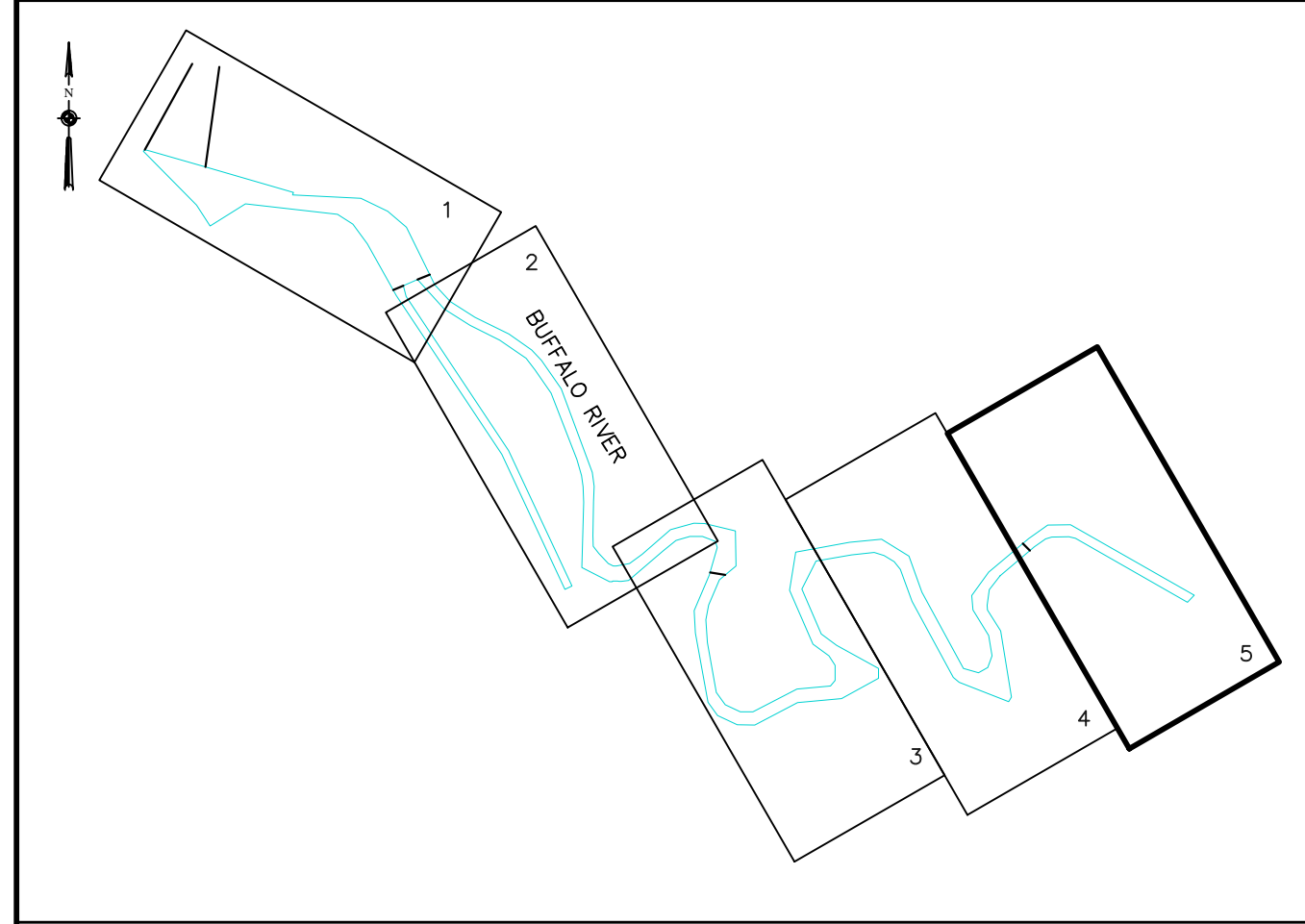
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SHEET INDEX
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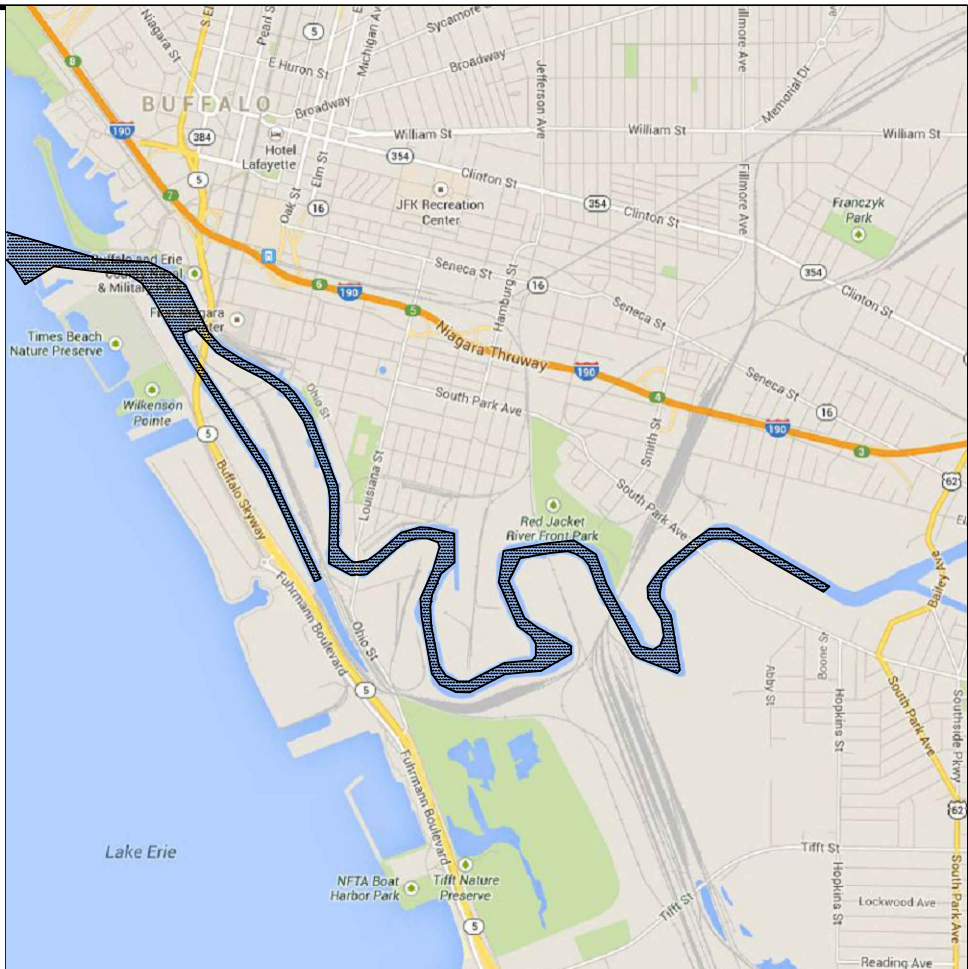
POINT	NORTHING	EASTING
570	1043278.4	1078863.1
572	1043408.2	1079044.0
574	1043441.2	1079143.4
576	1043445.5	1079419.9
578	1043419.3	1079526.9
580	1042394.2	1081323.3
579	1042504.7	1081432.2
577	1043638.6	1079445.3
575	1043633.0	1079082.1
573	1043412.5	1078774.6

SOUNDING COLOR LEGEND	
<div></div>	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
<div></div>	DEPTHS AT OR BELOW PROJECT DEPTH
18.0	PROJECT DEPTH

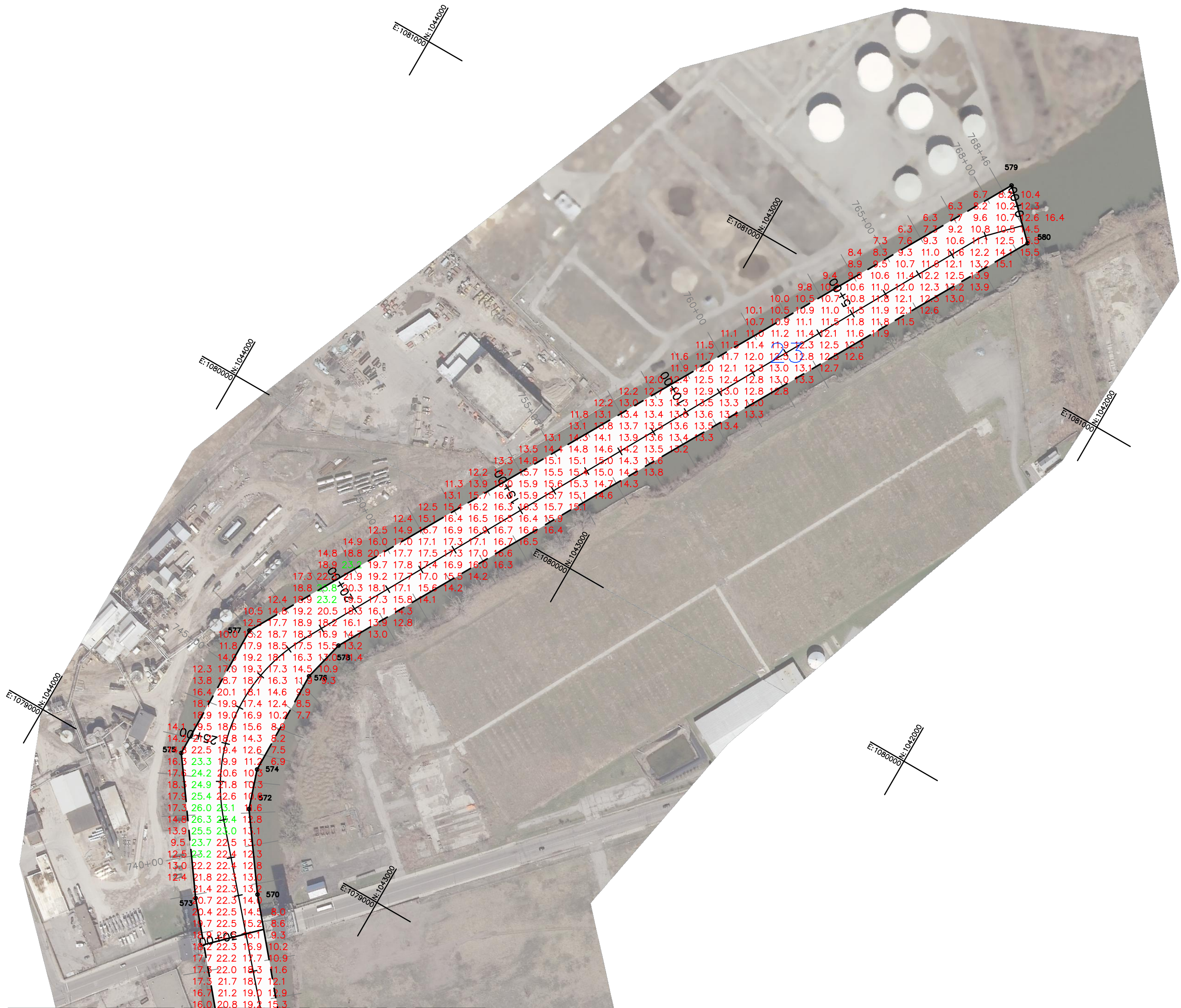
LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
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H.L.F.	HARBOR LINE CORNER
---	FEDERAL CHANNEL
---	HARBOR LINE
---	SUBMARINE CABLE
C	CAN BUOY
N	NUN BUOY
B	LIGHTED BUOY
A	FIXED LIGHT
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Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
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VICINITY MAP
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SEE SHEET 4



US Army Corps
of Engineers
Buffalo District

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Drawn by: KRL
Checked by: ACK

Reviewed by:
Roman H. Fieger III PLS

Chief, Survey Section

Approved by:
Edward F. Gawarecki

Date: December 8, 2015

Chief, NY/PA Navigation and Maintenance Section

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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
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BUFFALO RIVER, NY
PROJECT CONDITIONS SOUNDINGS 2015

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reference
number
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